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# Distribution of a Conspicuous Terrestrial Hydrophilid Beetle *Cercyon lineolatus* (Motschulsky) (Coleoptera, Hydrophilidae, Sphaeridiinae)

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**Abstract** New collecting records of a terrestrial hydrophilid beetle, *Cercyon* (*Clinocercyon*) *lineolatus* (Motschulsky, 1863) are provided. This species is easily distinguished from other terrestrial hydrophilid beetle by its large body size and the coloration of elytra. Consequently, the species is newly recorded from Bangladesh, Japan, Malaysia, Nepal, Laos, Singapore, Thailand, and Palau.

**Key words:** Water scavenger beetle, new record, Oriental, Palaearctic, Oceania.

## Introduction

A terrestrial hydrophilid beetle *Cercyon* (*Clinocercyon*) *lineolatus* (Motschulsky, 1863) is a member of the tribe Megasternini (Sphaeridiinae), and is well distinction from other representatives of the genus *Cercyon* by the longitudinal yellow stripes on elytra and large body size. The species is widely distributed in tropical and subtropical Asia, but was also found in Arabian Peninsula and on Mascarene Islands (Hansen, 1999; Fikáček *et al.*, 2010; Fikáček *et al.*, 2015). We had opportunities to examine specimens of this terrestrial hydrophilid beetle, which represent additional or first record of the species from several Oriental and Oceanian countries. In this paper, we provide collecting records of *C. lineolatus* from Oriental Region and Oceania.

## Material and Methods

Materials are deposited in the following collections: Kitakyushu Museum of Natural History & Human History (Y. Minoshima) (KMNH); National Museum, Praha, Czech Republic (M. Fikáček) (NMPC); Naturhistorisches Museum, Wien, Austria (M. A. Jäch) (NHMW); Systematic Entomology, Hokkaido University, Sapporo, Japan (M. Ôhara) (SEHU); Ehime University Museum, Matsuyama, Ehime, Japan (H. Yoshitomi) (EUMJ); private collections of Andre Skale, Hof, Germany (ASCH) and Shun’ichi Sakurai, Sakata, Japan (SSCS).

The methods generally follow those used by Minoshima and Fujiwara (2009). Composite images were created using the software Image Stacking Software CombineZP (Hadley, 2010). The photographs were modified using Adobe Photoshop CC in needed case. Regarding the morphological terminology, we follow Hansen (1991).

## Results

### *Cercyon* (*Clinocercyon*) *lineolatus* (Motschulsky, 1863)

(Figs. 1–2)

*Trichopoda lineolata* Motschulsky, 1863: 444.

*Cercyon lineolatus* (Motschulsky): Gemminger & Harold, 1868: 497.

*Cercyon* (*Clinocercyon*) *lineolatus* (Motschulsky): Bameul, 1986: 889.

*Cercyon nigrostriatus* Wu et Pu, 1995 in Jia *et al.*, 1995: 127. Syn. by Jia *et al.* (2011).

*Material examined*. Bangladesh ––– 1 ex. (NMPC), East Pakistan, Dinajpur, X.1969, Barbe leg. China ––– 2 exs. (KMNH), Yunnan prov., 50 km N Jinghong, env. Gunangping, 950 m, 11–20.XI.2004, S. Murzin leg.

*Diagnosis.* Body (Fig. 1) elongate oval, moderately convex. Dorsal surface weakly lustre; ventral surface mostly lustreless dark brown. Pronotum black with broad yellowish lateral margin. Elytra bicoloured, black with light yellowish brown stripe among serial punctures and lateral margin (Fig. 1).

*Biology.* Bameul (1986) mentioned the species inhabits cow and rabbit excrement.

*Distribution.* Palaearctic: United Arab Emirates, China, Japan (Yonaguni-jima Island, Ishigaki-jima Island) (Fikáček *et al.*, 2010; Jia *et al.*, 2011; and this study). Oriental: Bangladesh, India (Bihar, Maharashtra, Meghalaya, Rajasthan), Indonesia (Sumatra, Sulawesi), Laos, Malaysia (Borneo), Nepal, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, Vietnam (Orchymont, 1928; Hansen, 1999; and this study).

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要　　約

蓑島悠介・Martin Fikáček・大原昌宏：特徴的な陸生ガムシ*Cercyon lineolatus* (Motschulsky)（鞘翅目ガムシ科）の分布．––– ケシガムシ属*Cercyon*の一種シマケシガムシ（和名新称）*Cercyon* (*Clinocercyon*) *lineolatus* (Motschulsky, 1863)は，本属の中では大型種であること，上翅に特徴的な黄色の縦縞模様を持つことから容易に他種と区別される．

## References

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# Figure captions

Fig. 1. Habitus of *Cercyon lineolatus* (Motschulsky, 1863). ––– A, Dorsal view; B, lateral view; C, ventral view.

Fig. 2. SEM photographs of *Cercyon lineolatus* (Motschulsky, 1863). ––– A, Head and pronotum, dorsal view; B, elytra, dorsal view; C, meso- and metaventrite and abdomen, ventral view; D, head, ventral view; E, prosternum, ventral view; F, mesoventral tablet, ventral view; G, metaventrite, ventral view.

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